EOSDIS
NASA'S EARTH OBSERVING SYSTEM
DATA AND INFORMATION SYSTEM

Relevancy 101

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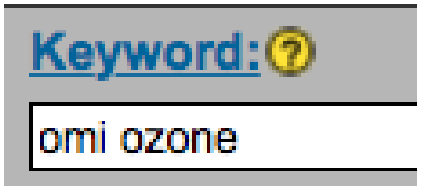
The material is based upon work supported by the National Aeronautics and Space Administration under Contract Number **NNG15HZ39C**

WHAT IS RELEVANCY?

A la Wikipedia

"how well a retrieved document or set of documents meets the information need of the user"

Say I’m looking for *ozone* data from the Ozone Monitoring Instrument...



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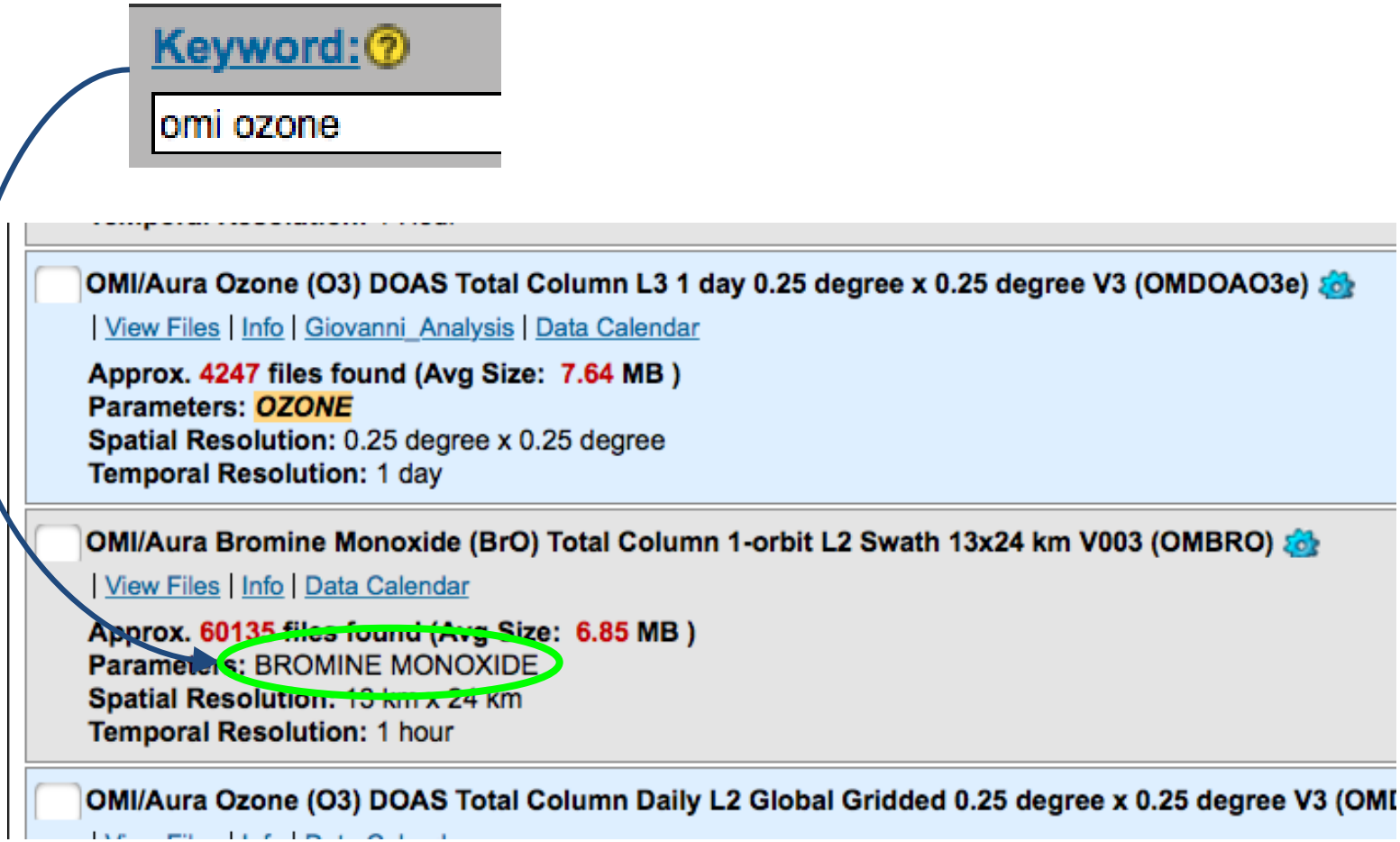
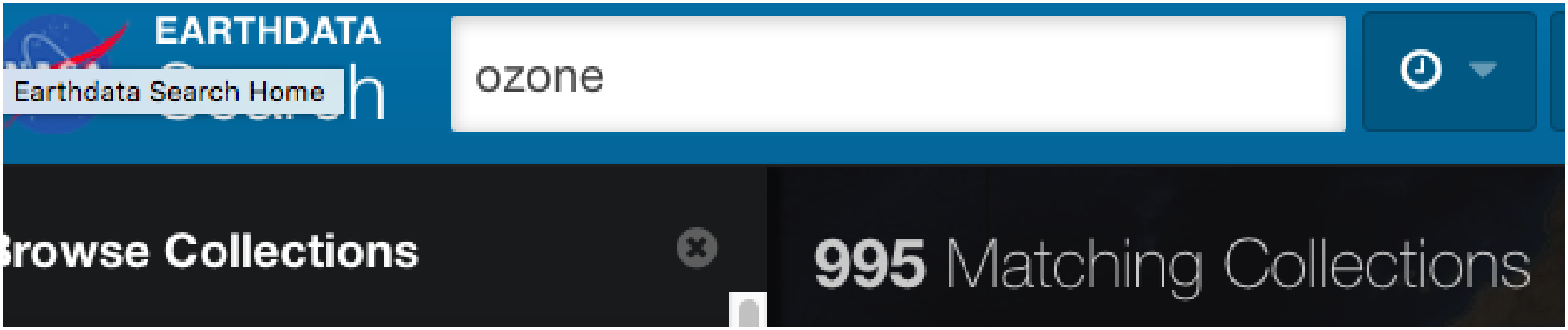


Wait, what?

WHY IT IS IMPORTANT?

Back to our ozone search...



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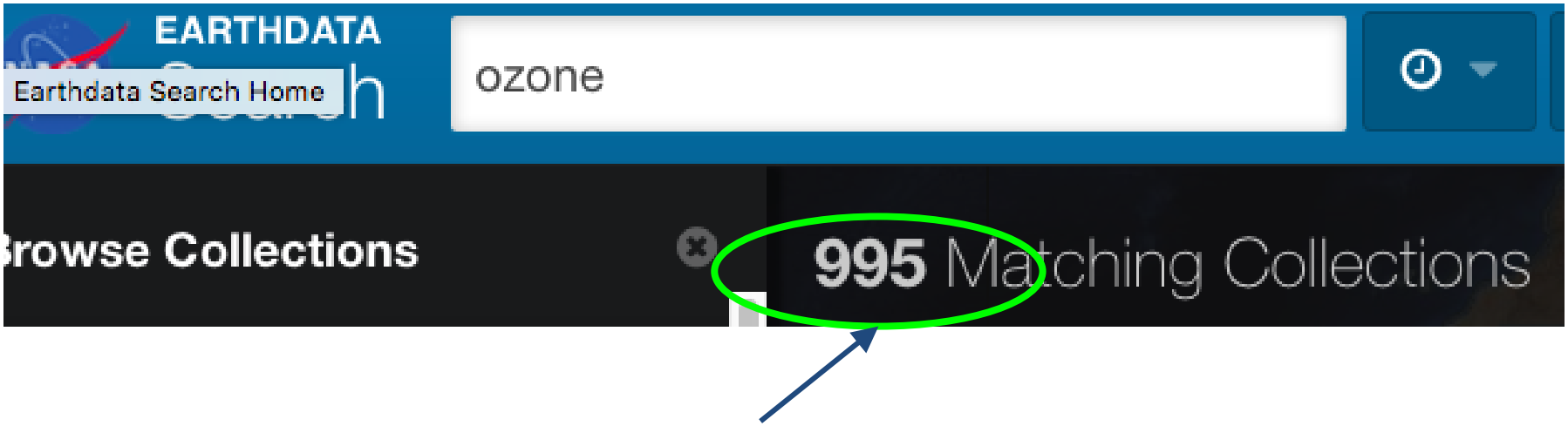


Good thing I'm not busy for the next two weeks :-/

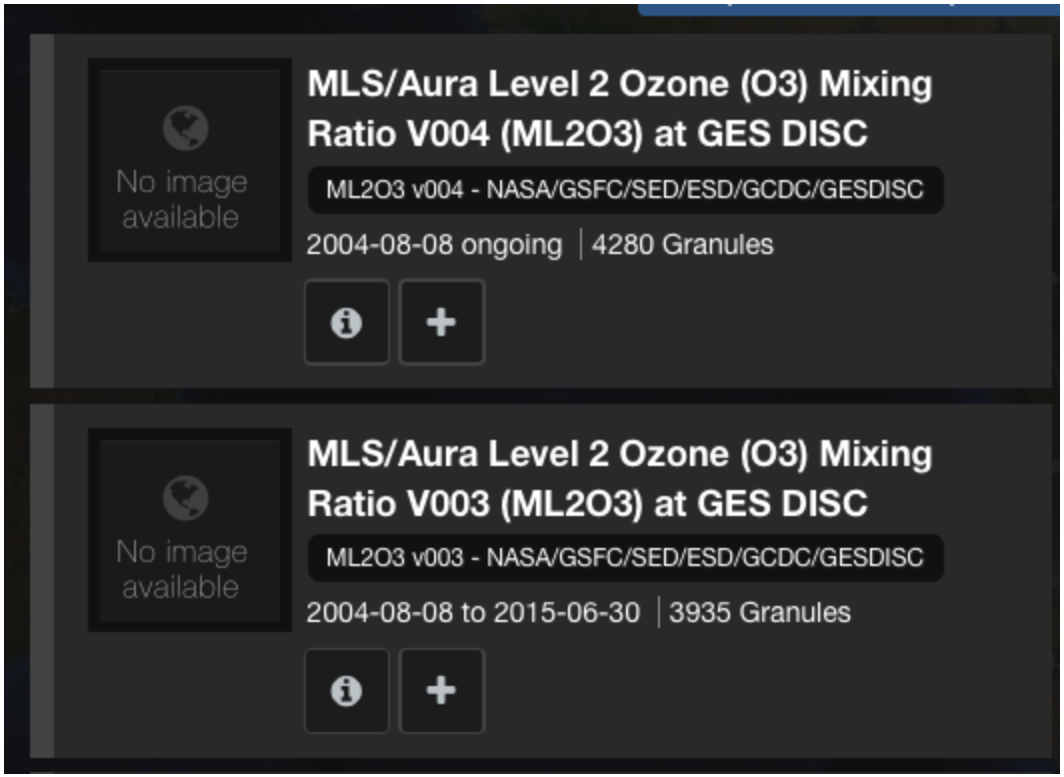
HOW?

The Content Heuristic

Well, it would be nice if the dataset actually *had* the content I am looking for...

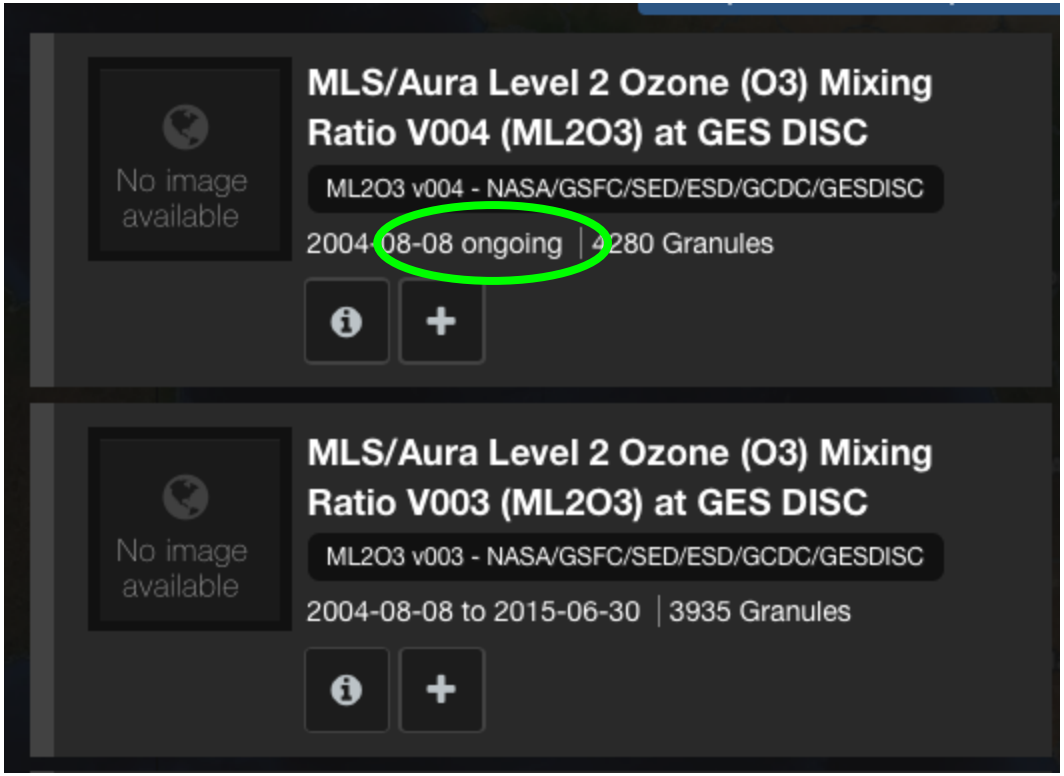
New and Improved Heuristic - Processing Version

Newer version is better than older version



New and Improved Heuristic - Processing Version

New version is more likely to be up to date



New and Improved Heuristic - Instrument

- Newer instrument is supposed to be "better" than previous instruments

Usability Heuristic

Level 3 Gridded datasets are easier for most users to use than Level 2 Swaths

Community Usage Heuristic

The dataset most often used by the community is more likely to be useful

Time Range Heuristic

Datasets covering the user's full time range are better than those covering just part of it

Spatial Heuristic

Datasets covering the user's full area are better than those covering just part of it

User-centric Heuristics

User type or intent	The most relevant datasets are...
Applications users	High spatial resolution, near-real-time
Students	Easier to use data (L3 grids in netCDF)
Climate Modeler	Datasets on Climate Model Grid (CMG)

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Raytheon

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